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BOOK REVIEWS.

Div-A-Let (Division by Letters). By W. H. VAIL. The Revell Company Press. Pp. 70.

For anyone who is interested in arithmetical puzzles this book will be a source of great pleasure. The numbers in various long division examples are replaced by letters, each letter keeping the place of the same number throughout the division, and the solver is required to find the word spelled by the letters when they are placed in their correct numerical order. The rules of long division give ample information concerning the relations of the letters and the numbers they represent, but the picking out of suitable facts and finally solving the puzzle is by no means without difficulty.

Correlated Mathematics for Junior Colleges. By ERNST R. BRESLICH. Chicago: The University Press. Pp. 301. Price \$1.25.

This book is a continuation of the series worked out by Mr. Breslich for the usual high school course. It is suited to the first year of college, though it may be used in the senior year of high school. In it are combined college algebra, plane analytics, and some differential calculus.

The book is consistent with the methods in the earlier books of the series, and the work seems even more closely related on account of the character of the subjects. The text is particularly attractive in its makeup, and the subject matter is sound, well arranged, and clear.

THE Committee on Special War Activities of the National Catholic War Council is publishing a series of Reconstruction Pamphlets. Numbers 5 and 6 are, respectively, "A Program for Citizenship" and "The Fundamentals of Citizenship."

Both of these books are valuable contributions for native- as well as foreign-born Americans. They are free of religious propaganda, and give concise clear outlines of the important fundamentals of our citizenship and government.

The committee should be congratulated on such a constructive work.

New High School Arithmetic. By WEBSTER WELLS and WALTER W. HART. New York: D. C. Heath and Co. Pp. viii + 358.

This book furnishes a good compromise between a course in "Business Arithmetic" and one that follows more nearly the procedure of the grammar school. It has a good review of the fundamental operations and their common use, an introduction to geometry through its numerical applications, and a good treatment of the common business forms and

methods. The book is carefully written, and contains many excellent features.

Solid Geometry, Revised Edition. By H. E. SLAUGHT and N. J. LENNES. New York: Allyn and Bacon. Pp. vi + 211.

In this book the authors have carried out again the features that distinguish their former books on geometry. There is an increasing tendency to leave some scope for the pupils' originality in the propositions, and a good amount of exercises are included. Excellent features are the summaries at the end of each book, and the table of the axioms and theorems from plane geometry that are used in the text.

Elementary Mathematical Analysis, Revised Edition. By CHARLES S. SLICHTER. New York: McGraw-Hill Book Company. Pp. xviii + 497. Price \$2.50 net.

The author has written a very well developed and interesting text. While the general plan followed in the earlier edition is still kept, the book shows many improvements.

The review of elementary algebra in the appendix is an admirably condensed résumé of its important topics. The body of the text is well written, being clear and yet wasting few words. There are so many clear-sighted features that it is surprising to find this author, like so many others, making two cases for the proof of the "Law of Sines."

On the whole, the book seems unusually well worth examination.

College Algebra, Revised Edition. By H. L. RIETZ and A. R. CRATHORNE. New York: Henry Holt and Company. Pp. xiii + 268.

This revision keeps the general character of the original book, but is somewhat simplified and includes many new exercises.

Its best feature seems to be the way the broader viewpoint suitable to the college student is evolved in the review of high-school algebra.

The topics are well chosen and well developed.

New Modern Illustrative Bookkeeping, Introductory Course. By CHARLES F. RITTENHOUSE. New York: American Book Co. Pp. 152. Price \$1.20.

This is a very practical and well worked out text on bookkeeping. The facsimile reproductions of business papers are excellent, as are the varying price lists.

The introduction uses the account method.

Essentials of Arithmetic. By SAMUEL HAMILTON. New York: The American Book Company. First Book, pp. 370. Second Book, pp. 435.

The "First Book" covers the ground usually taught in the second through the fifth years; the "Second Book" completes the subject through the elementary school.